

IN THE SPECIFICATION:

Page 4, amend the paragraph starting at line 3 and ending at line 11 as follows:

As shown in Fig. 1A, the LED device 1 in the present invention is composed of a LED light bulb, insulating lead wires and protective devices; two lead frames 21, 22 are installed on the LED light bulb, and the lower end of the two lead frames 21, 22 form an electrical connecting portion respectively, wherein a LED chip 3 installed on the top of one of the lead frame 21 and the LED chip 3 is then connected to another the other lead frame 22 via bonded wires 31, and a lamp cap 4 is installed on the exterior so that the electrical connecting portion 20 on the lower end of the two lead frames 21 and 22 emerges from the lamp cap 4.

Page 5, amend the paragraph starting at line 1 and ending at line 10 as follows:

Said lamp cap 4 can be made of plastics or transparent, semi-transparent or added with fluorescent substances; an insulating positioning bracket 41 is installed on the lower end of the lead frames 21 and 22 so as to firmly fix its position; the insulating lead wires 11, 12 connected on the lower end of the LED light bulb can be two or multiple in number, and parallel to one another or be in a predetermined angle (for example, at a right angle or in a straight line at 180°); the connection between the conductor conductors 14 of the lead ~~wire 14~~ wires and the lead frames 21 and 22 can be welded or pressure bonded; the protective device 5 can also be transparent, semi-transparent or added with fluorescent substances, and can also envelop the entirety or parts of the LED light bulb.

Pages 5 and 6, amend the paragraphs starting on page 5 at line 14 and ending on page 6 at line 15 as follows:

Referring to Fig. 2, this is another embodiment of the present invention wherein the protective devices 5A and 5B as shown can be predetermined from different shapes, for example, regular or irregular shapes, flat or convex/concave so as to make the overall LED device be enveloped by plastics. A first electrode 30 and a second electrode 32 are mounted on the protective device 5A. The LED chip 3A is mounted on the first electrode 30. A bonded wire 31 connects the LED chip 3A to the electrode 32. The electrodes 30 and 32 have bonding sites 301 and 310 respectively.

The LED device of the present invention as shown in Fig. 3A and Fig. 3B can be enveloped by two enveloping plates 51 and 52 on the top and the bottom like the protective devices as shown in Fig. 1A, 1B, and 2 so as to envelop the light emitting element 6 wherein the enveloping plates 51 and 52 are concave-shaped hollows with their hollow part 50 in the interior, and the two ends of the enveloping plates form an opening 53 respectively so as to install the insulating lead wires. Moreover, the bent part (that is the branching off part) of the insulation of the insulating lead wires tightly locked by the internal border locks and the lock 51 54 formed in the periphery of the connection are firmly fixed by joining or gluing so as to make them not easily become released. The embodiment of the LED device of the present invention as shown in Fig. 4 can be composed of a plurality of Led light emitting elements 1A, which consists of electrodes and a plurality of electrodes, which are connected by a plurality of insulating lead wires in such a way that the insulating ends on the top of insulating lead wires

are bent to the back and extended sideward to form an opening so that the conductor in the center connects to the electrode on the chip base of different LED light emitting elements.

Pages 8 - 10, amend the paragraphs starting on page 8 at line 1 and ending on page 10 at line 9 as follows:

First separate the top of the insulating lead wires 81 and 82 into at least two plates so as to form a branching off part 80 so that the conductor 83 (as shown in Fig. 7A) is exposed; properly make two lead frames 84, 85, and an electrical connecting portion 841 is formed on the lower end so that a LED chip 86 is installed on the top of one of the lead frames 84, and the lamp cap 87 is then installed on the exterior, and the lower end of the lamp cap forms a flange 871 (as shown in Fig. 7B); the emerged conductor 83 and the lead frames 84, 85 are electrically connected to the electrical connecting portion 841 and the lead wires (as shown in Fig. 7C); a protective device 88 envelops the lower end of the lamp cap and the electrical connecting portion and is firmly fixed by lead wires 81 and 82 (as shown in Fig. 7D). The protective device can be made by plastics or enveloped from multiple combinations.

For another manufacturing method, the conductor 83 emerges from the opening at the top of the insulating lead wires 81A and 82A ~~emerges from the conductor 83~~ (as shown in Fig. 8A). Moreover, properly make the LED light emitting element 80A, on which lead frames 84 and 85 are installed, and an insulating positioning bracket is installed on the LED light emitting elements 84A and 85A, wherein a LED chip 86A is installed on one of the lead frames 84A, and connected to another lead frame 85A via bonded wires (as shown in Fig. 8B); the emerged

conductor 83A is electrically connected to the lead frames 84A and 85A (as shown in Fig. 8C); ~~then inserted.~~ Then the insulating positioning bracket 872A with the lead frames 84A and 85A are inserted into the lamp cap 87A as shown in Fig. 8D, and coupled with the flange 871A on the lower end of the enveloping plates and the insulating positioning bracket 872A of the lead frame, and finally enveloped and positioned by the protective device 88A (as shown in Fig. 8F.)

For another manufacturing method, as shown in Fig. 9, a LED chip base 91 is installed, and the first electrode 91A and the second electrode 91B are installed on the LED chip base wherein a LED chip 92 is installed on the first electrode 91A. After the LED chip 92 has been installed on the first electrode 91A, then the LED chip 92 is electrically connected to the second electrode 91B via bonded wires wire 93. After the overall structure has been assembled, ~~an~~ insulating lead ~~wire~~ wires 94 and 95 ~~is~~ are installed on the first electrode 91A and the second electrode 91B respectively, and then the front end of the insulating lead wires 94 and 95 ~~branches~~ branch off to form an opening 951 so as to expose the conductor 96; then the ~~respective emerged conductor~~ conductors 96 ~~is~~ are electrically connected to the first electrode 91A and the second electrode 91B, and then enveloped by the enveloping plates 97 and 98 in the top and the bottom in the hollow in the interior so as to form an overall structure. It can also be enveloped and fixed by the protective device of plastic materials.

From the above, the LED device and the manufacturing method of the present invention can definitely be safer and effective when it is used, and such effects can definitely improve the weaknesses inherent in the conventional LEDs. ~~Moreover, the invention has not yet been publicly disclosed and used.~~ Hence, the present invention is deemed to comply with conditions

for approvable patents stipulated by the Patent Law. We sincerely hope that the present invention can be allowed for registration.